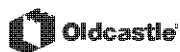


MATERIAL SAFETY DATA SHEET



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DATE PREPARED: 01/04/2000

MSDS No: C12

Concrete Mixes

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Concrete Mixes

Product Description: Concrete Mixes

MANUFACTURER:

Oldcastle, Inc.

16310 Marietta Lane

Spokane, WA 99216

Customer Service: (509)-926-8235

24 HR. EMERGENCY TELEPHONE NUMBERS:

Emergency Contact: Chemtrec

Emergency Phone: (800)-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

	wt. %	CAS Registry #
Hydraulic Cement	7 – 23	65997-15-1
Silica, crystalline	77 – 87	14808-60-7
Flyash	<10	68131-74-8
Ground granulated blast furnace slag cement	<10	

COMMENTS:

For “wt.%” ranges assume 0% on the low end, if not otherwise specified.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE:

Powdery solid. May be gray, white or beige in color.

IMMEDIATE CONCERNS:

Dust or vapor irritating to eyes and respiratory tract.

POTENTIAL HEALTH EFFECTS

EYES:

Flush eye with water for 15 minutes. Get medical attention. May cause immediate or delayed irritation and possibly permanent injury ranging from moderate irritation to chemical burns and blindness.

SKIN:

Avoid prolonged or repeated contact with skin. May cause drying of the skin, irritation or other more significant effects attributable to aggravation of other conditions. Certain individuals may exhibit an allergic response ranging from a mild rash to severe skin burns/ulcers.

INGESTION:

Swallowing small amounts will not cause significant harm. For larger amounts, do not induce vomiting, but give one or two glasses of water to drink and get medical attention.

INHALATION:

Prolonged or repeated inhalation may cause lung damage.

ACUTE EFFECTS:

Prolonged or excessive inhalation may cause respiratory tract irritation.

ROUTES OF ENTRY:

Harmful: danger of serious damage to health by prolonged exposure through inhalation, contact with skin, and if swallowed.

CANCER STATEMENT:

Cancer Hazard (contains material which) can cause cancer.

IRRITANCY:

Severely irritating to the skin, eyes, respiratory tract, and lungs.

SENSITIZATION:

May cause skin sensitization, and allergic reaction which becomes evident on re-exposure to this material.

4. FIRST AID MEASURES

EYES:

Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

SKIN:

Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if persistent irritation occurs. Chronic exposure may result in dermatitis. Wash clothing before reuse.

INGESTION:

If swallowed, do NOT induce vomiting. Give victim a glass of water. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

INHALATION:

If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

Use extinguishing media suitable to combat surrounding fire.

COMMENTS:

As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL:

Reduce airborne dust and prevent scattering by moistening with water. Vacuum or sweep up material and place in a disposal container.

GENERAL PROCEDURES:

Minimize dust generation and accumulation.

SPECIAL PROTECTIVE EQUIPMENT:

Clean-up of larger spills may require personal protective equipment to prevent dust exposures and protect against alkali burns or irritation.

7. HANDLING AND STORAGE

GENERAL PROCEDURES:

Do not generate or breath dust.

HANDLING:

Avoid contact with eyes, skin, and clothing.

STORAGE:

Store in a dry place. Do not expose the bag to any moisture.

SHELF LIFE:

Approximately 1 year. Must be stored in dry, non-humid conditions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

PERSONAL PROTECTION:**EYES AND FACE:**

Wear safety glasses with side shields (or goggles).

SKIN:

Wear suitable protective clothing and gloves.

RESPIRATORY:

Wear suitable NIOSH approved respiratory equipment.

WORK HYGIENIC PRACTICES:

Practice good housekeeping techniques. Do not eat, drink, or smoke in work areas.

COMMENTS:

OSHA PEL 8 Hr. TWA Hydraulic Cement Respirable Dust = 5mg/m³

OSHA PEL 8 Hr. TWA Crystalline Silica Respirable Dust = 0.10mg/m³

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid

Odor: None

pH: ~11 to 12.5

Percent Volatile: None

Boiling Point: Not Determined

Melting Point: Not Determined

Evaporation Rate: None

Specific Gravity: ~2.80 to 2.9

COMMENTS:

Water Solubility: Slightly soluble

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

POLYMERIZATION:

None

HAZARDOUS DECOMPOSITION:

None

INCOMPATIBLE MATERIALS:

Reacts with hydrofluoric acid to form corrosive silicon tetrafluoride gas. May also react with strong alkalis. Will react with water to form a solid mass.

11. TOXICOLOGICAL INFORMATION

CARCINOGENICITY:

IARC: Silica = Group 1; Carcinogenic to humans. IARC Monograph 68 (June 1997).

12. ECOLOGICAL INFORMATION

GENERAL COMMENTS:

Product will react with water to form a solid, slightly soluble mass with an approximate pH of 11.0 -12.5.

13. DISPOSAL CONSIDERATIONS

GENERAL COMMENTS:

Any disposal practice must be in compliance with local, provincial, state and federal laws and regulations. Contact local agencies/municipalities for specific rules.

14. TRANSPORT INFORMATION

COMMENTS:

Not considered a hazardous material for transport.

15. REGULATORY INFORMATION

UNITED STATES:

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

Fire: No Pressure Generating: No Reactivity: No Acute: Yes Chronic: Yes
313 Reportable Ingredients: None

16. OTHER INFORMATION

Approval date: 12/20/2000

REVISION SUMMARY

New MSDS



HMIS CODES

Fire: 0 Health: 1 Reactivity: 1 Protection: E

MANUFACTURER DISCLAIMER:

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